101 N. Alloy Dr.
Fenton, MI 48430

Ph (810) 714-5811
Fax (810) 714-5711

CustomerService@lmicorporation.com

LMI™

LINEAR MEASUREMENT INSTRUMENTS, Corp.

Research, Development and Manufacturing of Precision Measuring Systems

CALIBRATION/MASTERING INSTRUCTIONS FOR THE LMI 200-SF PROBE TRANSDUCER WITH THE DATAMYTE 3053

1. Connect the transducer to Gage Port 1 of the data collector.
2. Turn on the data collector.
3. Move the cursor to 'Options'.
4. Select the "Configure Gages" and press <Enter>.
5. From the list displayed, use the arrow keys on the data collector to choose which gage designation to configure; (i.e. G1B G1C) and press <Enter>.
6. Type the unique gage name; (i.e. LMI-200-SF) and press <Enter>.
7. Move the cursor to "Configure" and setup as follows:
   - Type: Gap & Flush
   - Scale: 22mm (.866)
   - Zero Master: 0
   - Transducer: Low level gap gage
   - Switch: (Read)
   - Master Type: (Three Point)
   - Show additional parameters: (No)
8. Press the right arrow key. The 'Save Gage Configuration' window will pop-up. Select 'Save to Current Gages' and press <Enter>.
9. Move the cursor to 'Master'.
10. Place the Probe in the top step of the 214 mastering block. Select 'Master Lo'. Press <Enter>.
11. Place the Probe in the lowest step of the 214 mastering block. Select 'Master Hi'. Press <Enter>.
12. Place the Probe in the middle step of the 214 master block. Select 'Master Zero' and press <Enter>. The value should read 0.000.

NOTE: This configuration produces a positive reading when retracting beyond the nominal. To reverse the signs, change the scale value in the configuration screen to –10. This mastering procedure produces a nominal zero at 54mm. For more information, refer to the LMI catalog or tracing template for the LMI 200-SF Probe.